



Clean Replacement Sections as Amended
for Examiner's Convenience



DIGITAL WIRELESS LOUDSPEAKERS
BACKGROUND OF INVENTION

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This application claims the benefit of U.S. Patent Application No.
09/452,904 filed, December 1, 1999

FIELD OF THE INVENTION

This invention relates to digital wireless loudspeaker systems.

DESCRIPTION OF THE PRIOR ART

Traditionally wires are required to connect an audio source, such as the output of a hi-fi power amplifier, to a set of loudspeakers. These wires are inconvenient, since they often need to be run under carpeting and floors, and through walls and ceilings. As home theater systems, often involving six surround sound loudspeakers, become increasingly popular, the wiring problem becomes a major annoyance. Wireless loudspeakers that communicate with the audio source via RF transmission remove the need for this web of wires.

Wireless loudspeakers have existed for some time [Recoton Patent Reference]. The analog FM transmission systems used in these speakers have resulted in relatively low-fidelity systems with signal to noise ratios on the order of 40dB to 60 dB. A need exists for a high